

Serial No.: To Be Assigned
Filed: September 20, 2001

50. The composition of claim 49 wherein said targeting polynucleotides are bound to said plasmid.

51. The composition of claim 49 wherein at least one of said targeting polynucleotides is biotinylated.

52. A method comprising contacting a plasmid comprising a target nucleic acid with a recombinase and at least two single-stranded targeting polynucleotides which are substantially complementary to each other, and which further comprise a homology clamp that substantially corresponds to or is substantially complementary to said plasmid target nucleic acid.

53. The method of claim 52 wherein said targeting polynucleotides are bound to said plasmid.

54. The method of claim 52 wherein at least one of said targeting polynucleotides is biotinylated.

REMARKS

Support for the above claims can be found on page 44 lines 26-29, page 63 lines 3-23, and page 69 lines 7-9 of the application.

The Commissioner is authorized to charge any additional fees including extension fees or other relief which may be required, or credit any overpayment to Deposit Account No. 06-1300 (Our Order No. A-64580-5/RFT/NBC).

The applicants submit that the claims are supported by the specification and are in

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condition for allowance. An early notification to that effect is earnestly solicited. Please direct any questions to the undersigned at (415) 781-1989.

Respectfully submitted,

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